



# Indian Institute of Technology Indore

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भारतीय प्रौद्योगिकी संस्थान इन्दौर  
सिमरोल, इन्दौर 453 552, भारत

IIT Indore

## **Advertisement for Recruitment of Junior Research Fellow (JRF)**

Advt. No: MEMS/April 2025/JP-3

Date: 19/04/2025

Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF) in a research project as per the following details.

<b>Position</b>	Junior Research Fellow (JRF) (Under SERB-CRG, Project No. <u>CRG/2023/007724</u> )
<b>Number of Vacancy</b>	01
<b>Project Title</b>	High Temperature fretting fatigue behavior of ferritic -martensitic steel (Studies on fatigue, fretting fatigue and fracture behavior of advanced materials under high temperature and room temperature))
<b>Department</b>	Metallurgical Engineering and Materials Science
<b>Fellowship duration</b>	2 years (initially 1 year, upon performance the fellowship will be extended until the completion of the project) (The selected candidate will be encouraged to register for the Ph.D. program at IIT Indore as per institute norms) If selected for PhD program, fellowship will be extended for PhD duration as per institute norms.
<b>Job Description</b>	To investigate fatigue, fretting fatigue and fracture behavior of advanced materials for nuclear and defense application. The studies to be carried out both at room temperature and high temperature of these advanced materials. The project involves both experimental study and numerical analysis. The project provides learning opportunities in the areas of mechanical testing, fatigue, fretting fatigue. and fracture mechanics, materials characterization, numerical analysis etc.
<b>Essential Qualification</b>	Master's degree in mechanical / metallurgy / materials / production/ manufacturing engineering/ material science engineering / industrial engineering/ welding engineering / relevant branch of Engineering or Science. GATE qualified candidates will be preferred.
<b>Fellowship</b>	Junior Research Fellowship (JRF): Rs. 37,000/- p.m. (First & Second years) Plus HRA will provided as per institute norms.

Interested candidates are requested to submit a detailed softcopy of their CV with all relevant Essential Qualification Degree Certificates, Marks Sheets, GATE qualifying certificate, class X and XII marksheet in a single pdf file to [jayaprakash@iiti.ac.in](mailto:jayaprakash@iiti.ac.in) by **25 Apr, 2025**. Tentative Date of Interview: **Last week of April**.

Only shortlisted candidates will be called for interview. Selected candidates will be intimated by email.  
**No TA/DA will be paid for appearing in the interview.**

**Address for Correspondence:**

Dr. Jayaprakash Murugesan\_(email: [jayaprakash@iiti.ac.in](mailto:jayaprakash@iiti.ac.in))

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